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CLAIMS

1. A process for the preparation of a compound of the Formula I

$$X_1$$
 $B(OH)_2$ (I)

5 wherein,

X₁ is selected from O, NR₁ or S; and

X₂ is selected from CH or N;

wherein R₁ is a nitrogen-protecting group,

which comprises :-

10 the sequential reaction of a compound of the Formula II

$$X_1$$
 Br (II)

with,

- (i) methyl- or an optionally substituted aryl- lithium; and then
- (ii) n-butyl-, s-butyl-, t-butyl- or n-hexyl- lithium; and then
- 15 (iii) a borate ester.
 - 2. The process according to claim 1 wherein X_1 is O.
 - 3. The process according to claim 1 or 2 wherein X_2 is N.

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- 4. The process according to any one of claims 1-3 wherein said methyl- or an optionally substituted aryl- lithium is 4-methylphenyllithium or methyllithium.
- 5. The process according to any one of claims 1-4 wherein said n-butyl-, s-butyl-,
- 25 t-butyl- or n-hexyl- lithium is n-hexyllithium or n-butyllithium.
 - 6. The process according to any one of claims 1-5 wherein said borate ester is triisopropylborate.

- 7. [4-(1,3,4-Oxadiazol-2-yl)phenyl]boronic acid prepared by the process as claimed in any one of claims 1-6.
- 8. A process for preparing compounds of Formula IV:

$$\begin{array}{c|c}
N & & \\
N & & \\
O = S & P \\
O & & \\
O & \\
CH_3
\end{array}$$
(IV)

which comprises coupling [4-(1,3,4-oxadiazol-2-yl)phenyl]boronic acid with a compound of Formula III:

wherein P is a nitrogen-protecting group.

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- 9. The process according to claim 8 which takes place in the presence of
- (i) a source of palladium (0) selected from PdCl₂, Pd(Ph₃P)₄ or Pd(OAc)₂;
- (ii) a suitable ligand selected from triphenylphosphine or 3,3',3"-phosphinidyne tris(benzenesulphonic acid) trisodium salt;
- 15 (iii) a base selected from triethylamine, benzyldimethylamine, N-methylmorpholine, N-methylpiperidine, triethanolamine, ethyldiethanolamine, diisopropylethylamine, potassium acetate, cesium fluoride or potassium fluoride.

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- 10. The process according to claim 8 or claim 9wherein said [4-(1,3,4-oxadiazol-2-yl) phenyl]boronic acid is prepared according to the process as claimed in any one of claims 1-7.
- 11. The process according to any one of claims 8 10 wherein P is isobutoxycarbonyl.

12. A compound of Formula IV:

$$O = S P O CH_3$$

wherein P is a nitrogen-protecting group.

10 13. A compound of Formula IV as claimed in claim 11 which is <u>N</u>-(isobutoxycarbonyl) <u>N</u>-(3-methoxy-5-methylpyrazin-2-yl)-2-(4-[1,3,4-oxadiazol-2-yl]phenyl) pyridine-3-sulphonamide.